

Samtop Display - QC Process Flow Card

1. Golden Sample Approval

- Defines all critical tolerances, dimensions, and joints
- Stored for CNC reference and QC
- Used in visual, structural and functional alignment checks

2. Custom Assembly Fixtures

- Magnetic, dowel, and snap-fit assembly jigs
- Pre-drilling and angle holding templates
- Ensures precise part fitting across batches

3. Inline Self-Check (Every 20 to 30 Units)

- Operator reassembles unit from scratch
- Supervisor checks against Golden Sample
- Immediate correction if misalignment found

4. Final QC Spot Check (5 to 10 Percent of Batch)

- Assembly test: magnet, light, logo, slot, tray
- Power-on LED and wire route confirmation
- Surface finish, paint, logo alignment inspection

5. Packing Simulation and Global Fit Check

- Verify reassembly into foam carton
- Confirm fit tolerance under vibration, humidity
- Ensure identical usability across regions

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Bonus: Batch Code and Photo Archive

- Each batch stored with visual record
- QR or label system for future traceability
- Proof ready for internal audit or client review